

FIG. 1

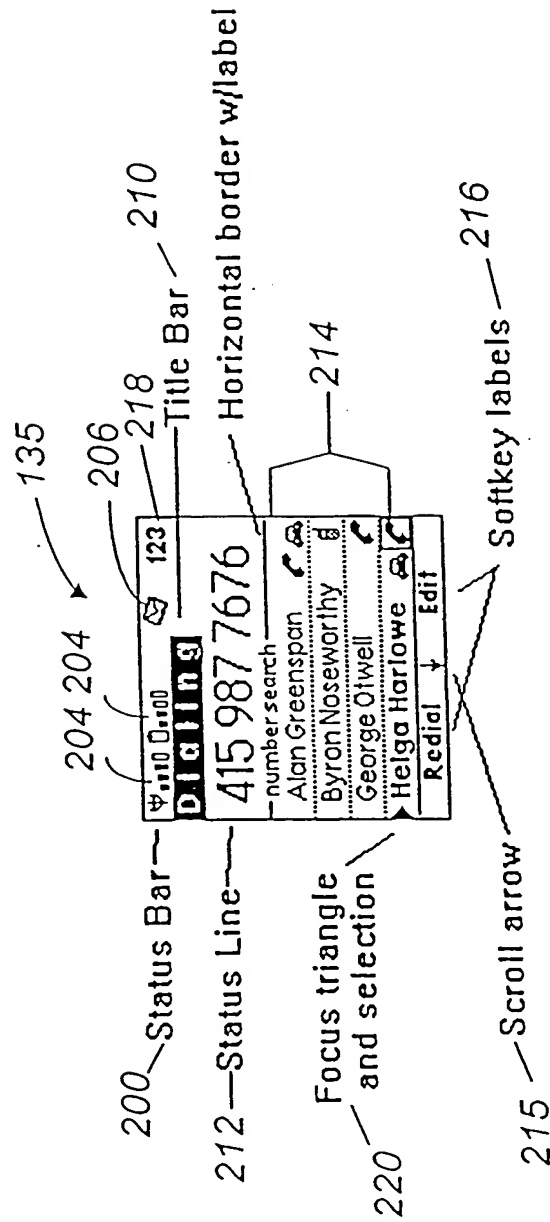


FIG. 2

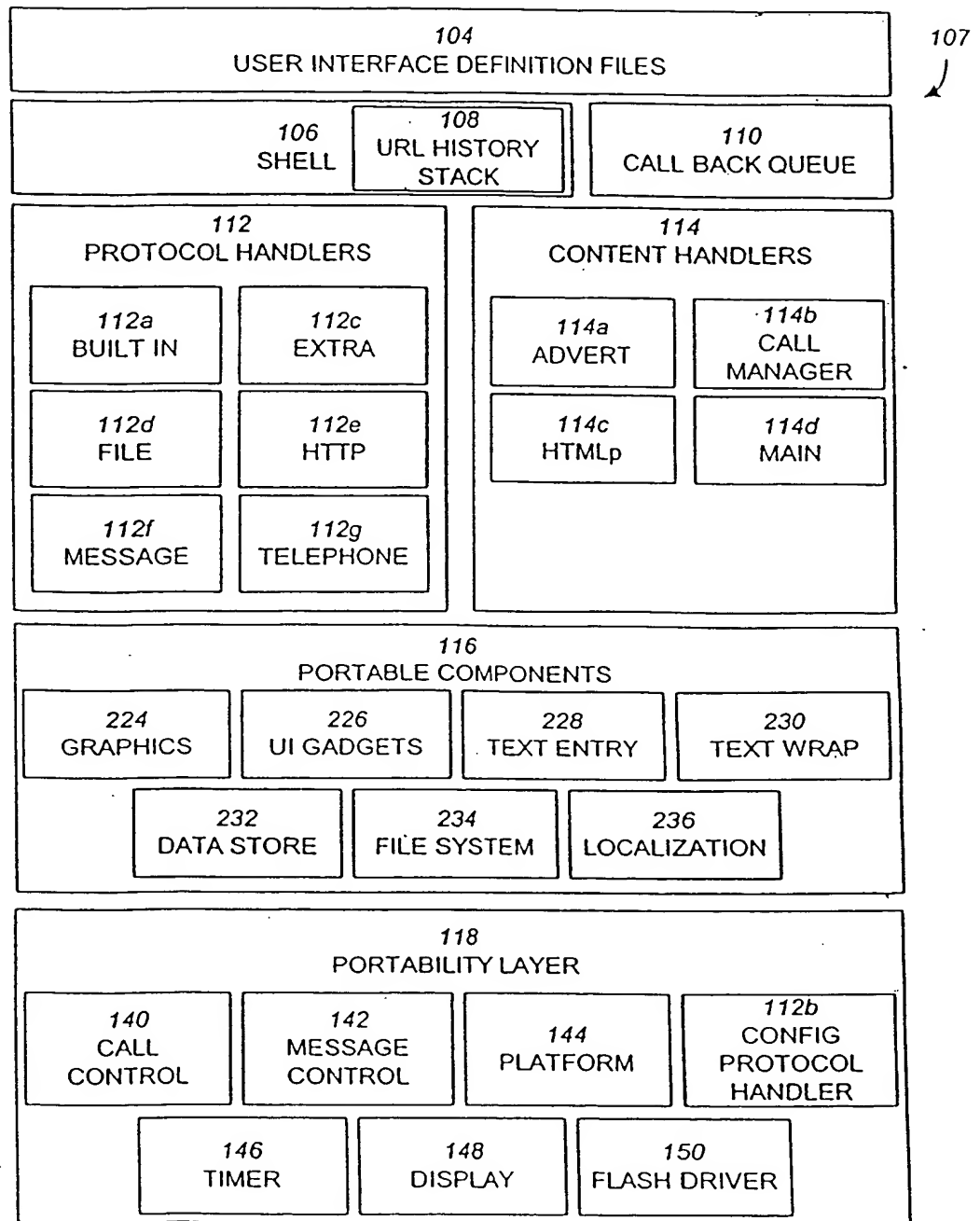


FIG. 3

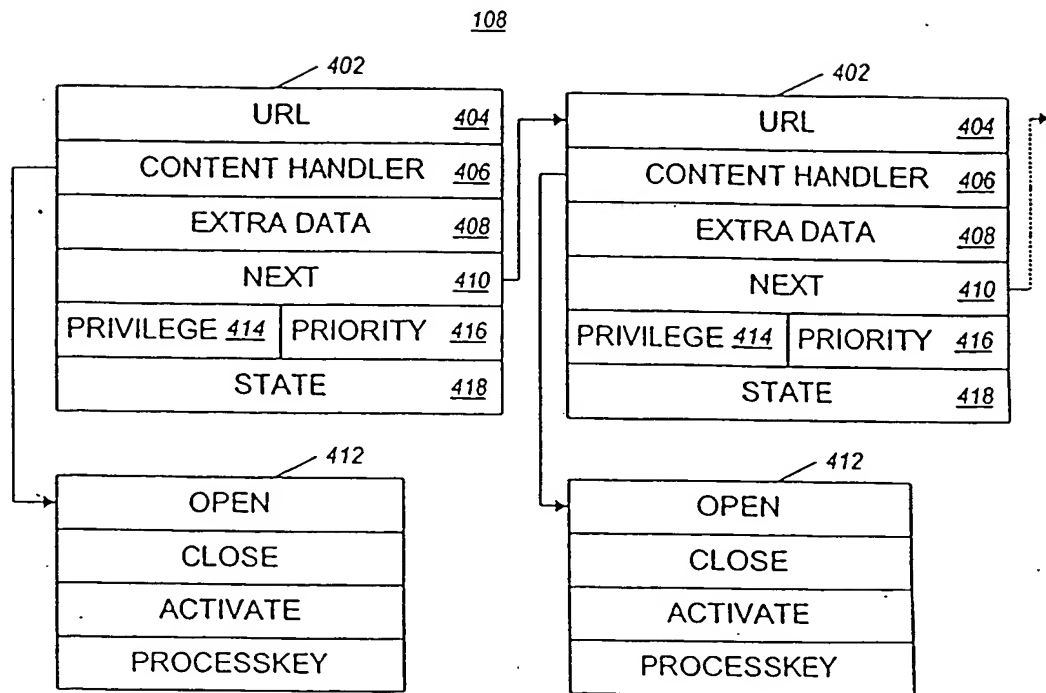


FIG. 4

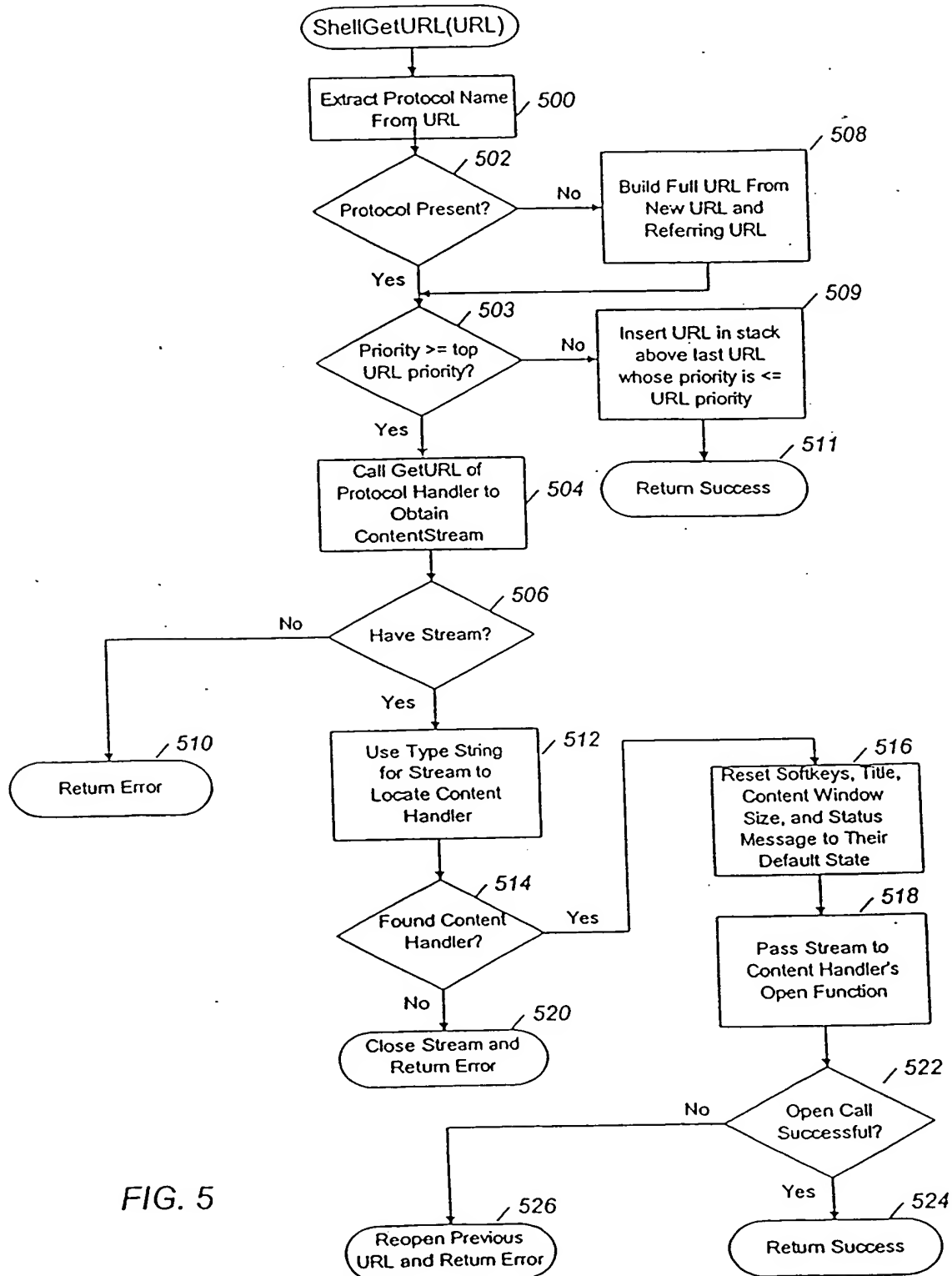


FIG. 5

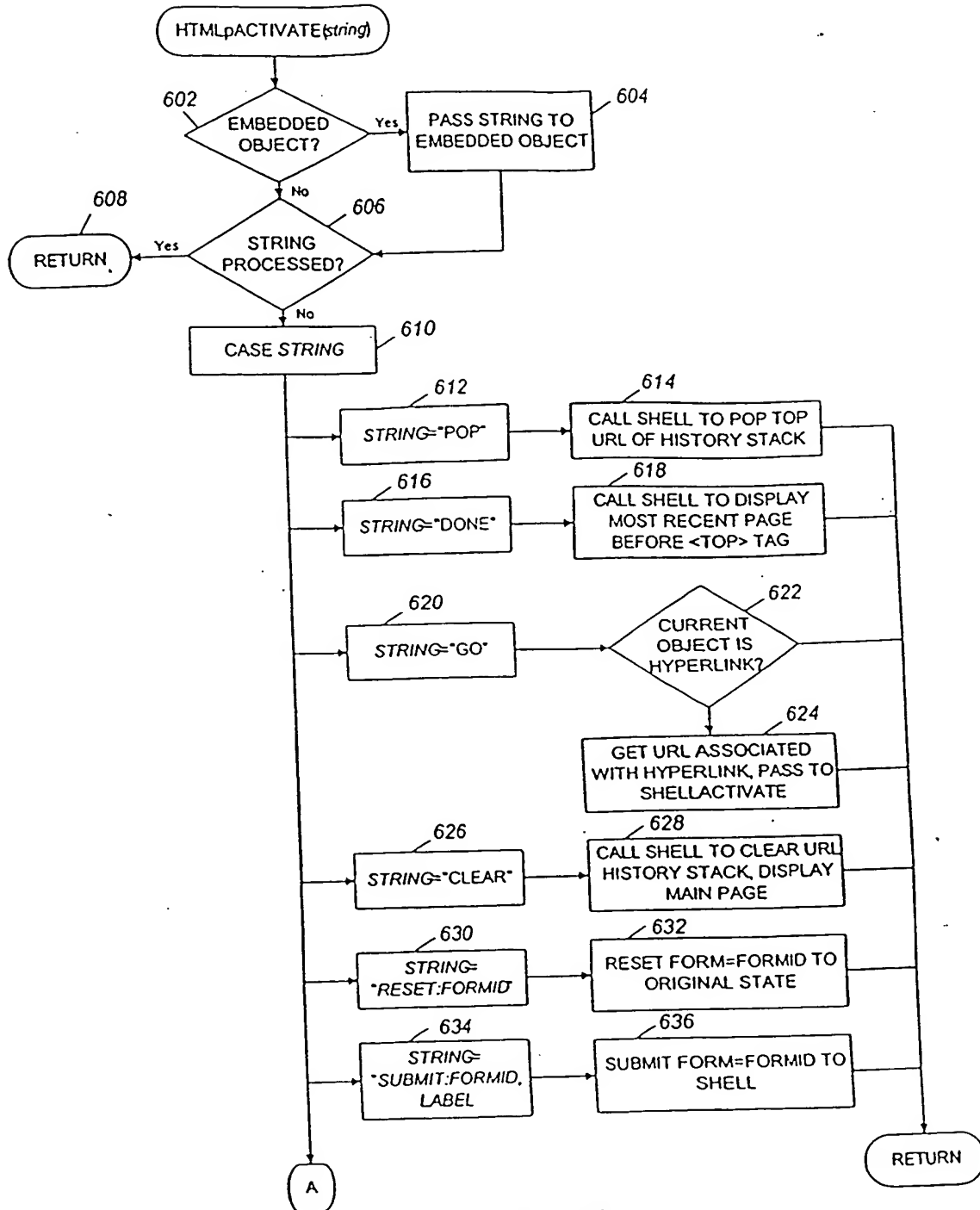


FIG. 6A

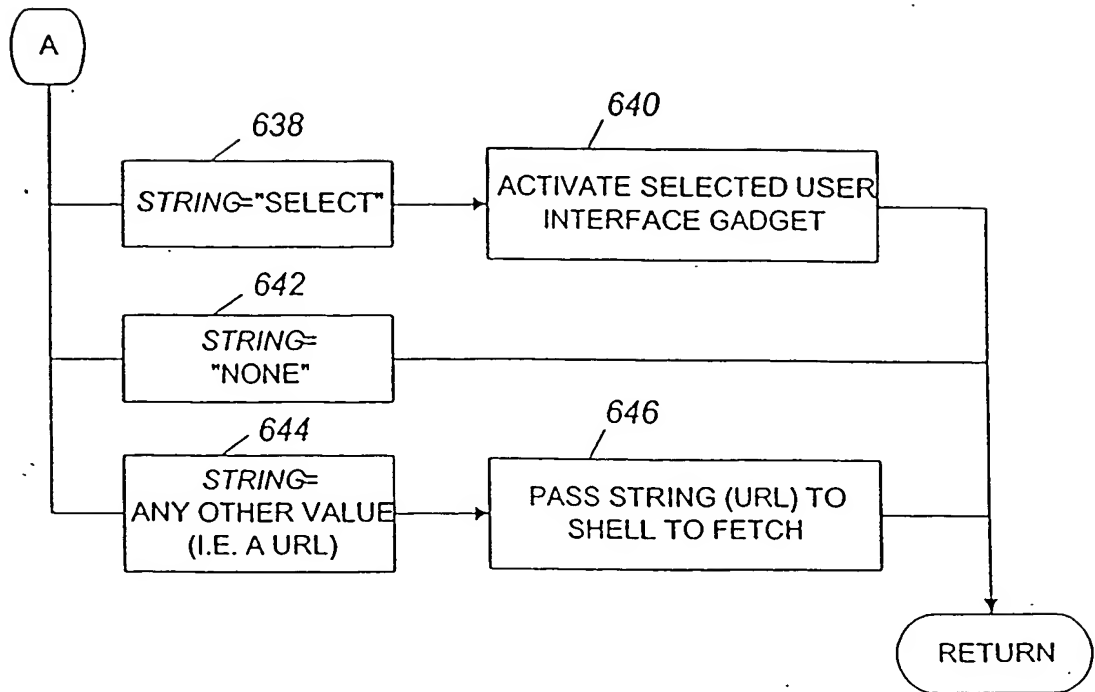


FIG. 6B

HTMLp	Result
<pre> <HTML> <HEAD> <KEY KEY=2 LABEL="PhoneBook" ACTION="file://phonbook.html"> <KEY KEY=1 LABEL="Menu" ACTION=MENU> <KEYMENU KEY=1 LABEL="Messages" ACTION=file://msgs.html> <KEYMENU KEY=1 LABEL="Recent Calls" ACTION=file://recent.html> <KEYMENU KEY=1 LABEL="Phone Settings" ACTION="file://phonsett.html"> <KEY KEY=up action="file://recent.html"> <KEY KEY=down action="file://phonbook.html"> </HEAD> <BODY>

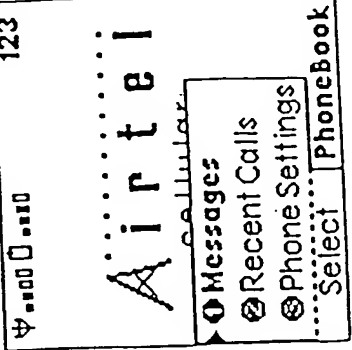
 <CENTER>
 c e l l u l a r
 s e r v i c e s </CENTER> </BODY> </HTML> </pre>	

FIG. 7

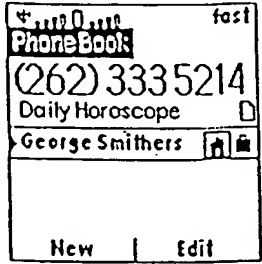
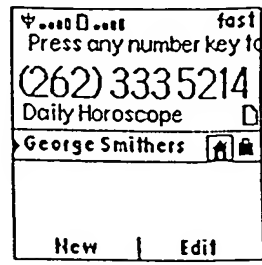
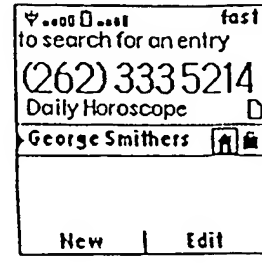
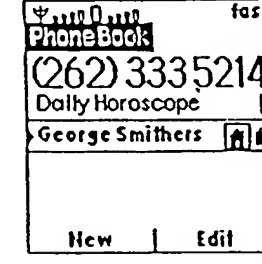
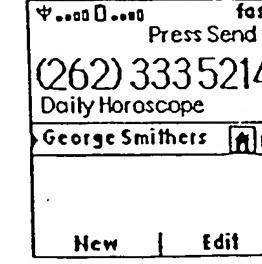
HTMLp	Result
<pre> <HTML> <HEAD> <TOP> <TITLE>Phone Book</TITLE> <KEY KEY=1 Label=New Action="new"> <KEY KEY=clear action=delete> <HELP>Press any number key to search for an entry</HELP> <HELP>Press Send to call someone</HELP> </HEAD> <BODY> <OBJECT CODE="phone:list?editkey=2&showstatus"> </BODY> </HTML> </pre>	    

FIG. 8

HTMLp	Result
<pre> <HTML> <HEAD> <KEY KEY=2 LABEL=Ignore ACTION=phone:ignore> <IF TEST=extra:conf> <KEY KEY=1 LABEL=Conference ACTION=phone:conference> <ELSE> <KEY KEY=1 LABEL="Pick Up" ACTION=phone:answer> </IF> <KEY KEY=send ACTION=phone:answer> <IF TEST=config:anykey> <KEY KEY=default ACTION=phone:answer> <KEY KEY=back ACTION=phone:answer> </IF> <KEY KEY=end ACTION=phone:ignore> <KEY KEY=up ACTION=phone:upvolume> <KEY KEY=down ACTION=phone:downvolume> </HEAD> <BODY > <TEMPLATE> <CENTER> &(extra:name)

 </CENTER> </TEMPLATE> </BODY> </HTML> </pre>	

FIG. 9

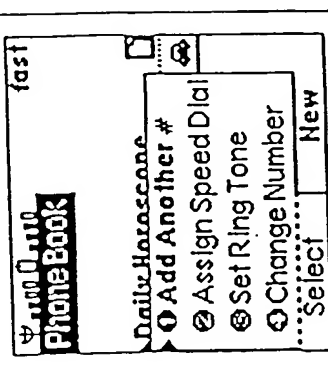
HTMLp	Result
<pre> <HTML> <HEAD> <TOP> <TITLE>Phone Book</TITLE> <KEY KEY=1 LABEL="Modify" ACTION=MENU> <KEYMENU KEY=1 LABEL="Add Another #" ACTION="phone:edit?Name=@n"> <KEYMENU KEY=1 LABEL="Assign Speed Dial" ACTION="file://pbspeed.html?id=@i&offset=@o&Name=@n&icon=@I"> <KEYMENU KEY=1 LABEL="Set Ring Tone" ACTION="file://pbring.html?id=@i&Name=@n"> <KEYMENU KEY=1 LABEL="Change Number" ACTION="file://pbnum.html?id=@i&offset=@o&Name=@n&Phone =@N"> <KEY KEY=2 Label=New Action="new"> <KEY KEY=clear action=delete> <HELP>Press any number key to search for an entry</HELP> <HELP>Press Send to call someone</HELP> </HEAD> <BODY> <OBJECT CODE="phone:list?showstatus"> </BODY> </HTML> </pre>	

FIG. 10

HTMLp	Result
<pre><HTML> <HEAD> <TOP> <KEY KEY=1 Label=New Action="new"> <KEY KEY=clear action=delete> </HEAD> <BODY background="file://logo.gif"> P h o n e n e b s p ; B o o k
 &nbsp; <OBJECT CODE="phone:list?editkey=2&showstatus&editurl=file://pbed it.html?id=@i%26offset=@o%26Name=@n%26speed=@S%26icon=@I% 26Phone=@N%26ring=@r%26prio=@R" width=101> </BODY> </HTML></pre>	

FIG. 11

HTMLp	Result
<pre> <HTML> <HEAD> <TITLE>Set Backlight</TITLE> </HEAD> <BODY> <TEMPLATE> <FORM METHOD=POST ACTION="config:set"> Backlight should be:
 <input type=radio name="backlight" CHECKED="config:backlight=0" value=0>On when in use
 <input type=radio name="backlight" CHECKED="config:backlight=1" value=1>On when in use or charging
 <input type=radio name="backlight" CHECKED="config:backlight=2" value=2>Off

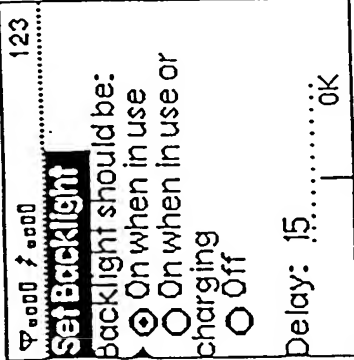
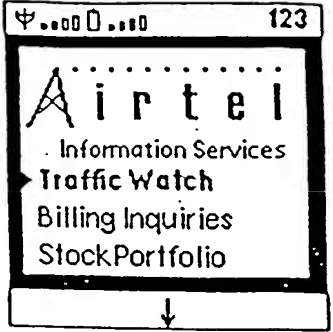
 Delay: <input type=text name="backlight delay" value="%(config:backlight delay)"> <input type=submit name=ok value=OK> </FORM> </TEMPLATE> </BODY> </HTML> </pre>	

FIG. 12

HTMLp	Result
<pre> file info.html <HTML> <INC SRC=bbody.html> <center>Information Services
</center> <FORM ACTION=phone:indir> <SELECT SIZE=3 NAME=url SIMPLE> <OPTION VALUE=http://svcs/traffic.html>Traffic Watch</OPTION> <OPTION VALUE=http://svcs/billing.html>Billing Inquiries</OPTION> <OPTION VALUE=http://svcs/portfolio.html>Stock Portfolio</OPTION> <OPTION VALUE=http://svcs/weather.html>Local Weather</OPTION> </SELECT> <INPUT TYPE=submit KEY=send> </FORM> <INC SRC=endbody.html> </HTML> </pre>	
<pre> file bbody.html: <!-- Specifies a body surrounded by a border with the operator logo at the top. The including file can add a subcaption immediately below, but left and right margin are set so text will not impinge on the border --> <BODY BACKGROUND=sq-back.gif BGPROPERTIES=fixed> <BLOCKQUOTE>
 <INC SRC= stdlogo.html> </pre>	<p style="text-align: center;"><u>FIG. 13</u></p>
<pre> file endbody.html: <!-- Closes the tags that were opened by bbody.html> </BLOCKQUOTE> </BODY> </pre>	
<pre> file stdlogo.html: <!-- Provides the operator logo with the text flow set to receive a subcaption for the logo -->
 </pre>	

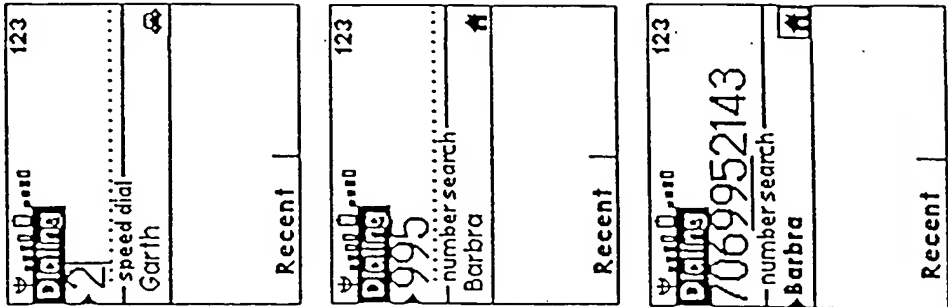
HTMLp	Result
<pre><HTML> <HEAD><TITLE>Dialing</TITLE> <TEMP> <KEY KEY=1 Label="Recent" Action="file://recent.html"> </HEAD> <BODY> <FORM ACTION="phone:dial"> <INPUT NAME=num TYPE=phonenum> <INPUT TYPE=submit KEY=send> </FORM> </BODY> </HTML></pre>	

FIG. 14

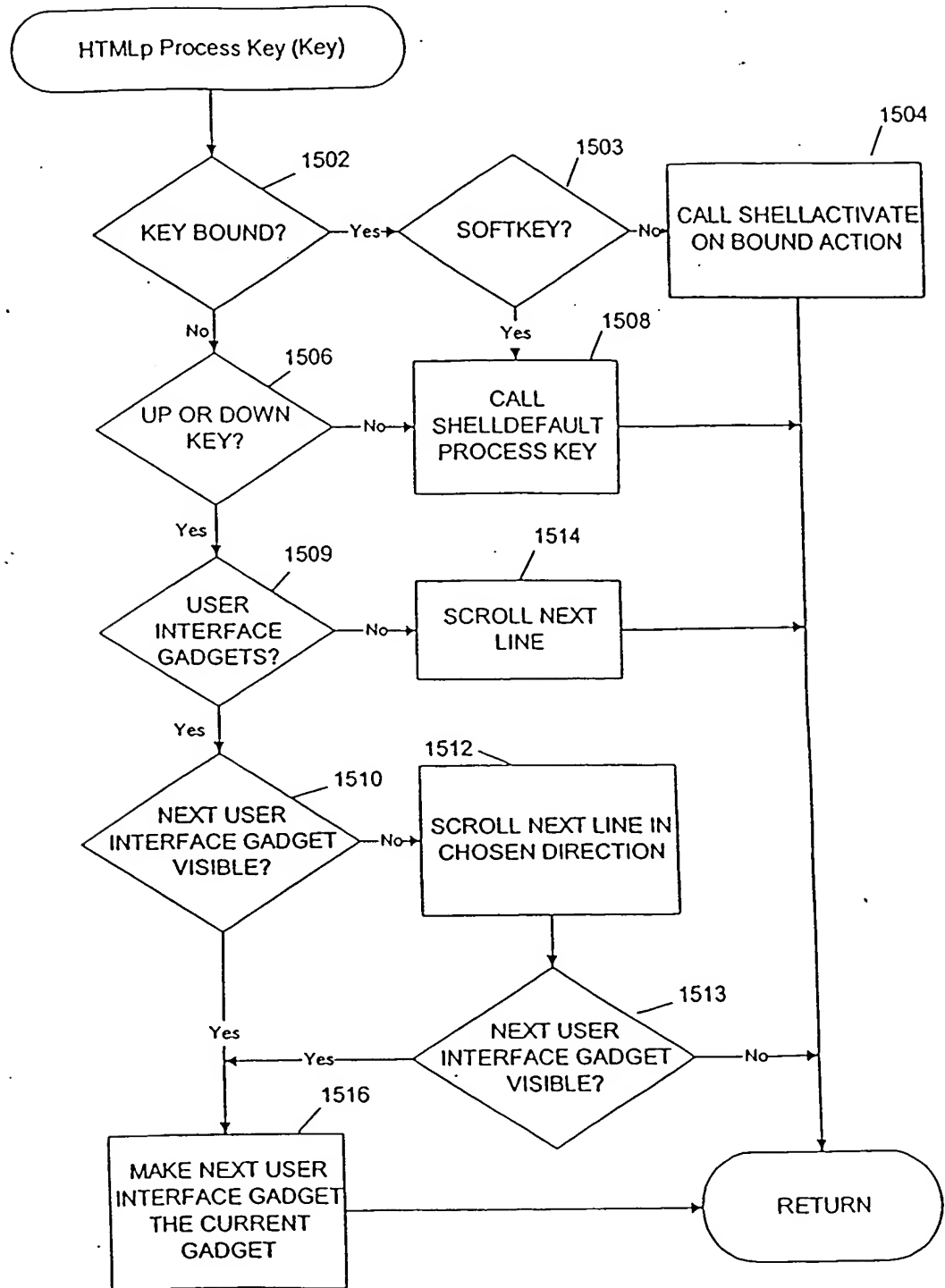


FIG. 15

HTML	Result
<pre><HTML> <BODY> <FORM METHOD=POST ACTION="http://cgi- bin/purchase"> Name: <INPUT TYPE=TEXT NAME=name>
 Address: <INPUT TYPE=TEXT NAME=street>
 City: <INPUT TYPE=TEXT NAME=city> State: <INPUT TYPE=TEXT NAME=state MAXLENGTH=2 SIZE=2> Zip: <INPUT TYPE=TEXT NAME=zip SIZE=5>
 Credit Card: <INPUT TYPE=RADIO NAME=cardtype VALUE=visa>VISA <INPUT TYPE=RADIO NAME=cardtype VALUE=mc>MasterCard <INPUT TYPE=RADIO NAME=cardtype VALUE=amex>American Express
 Number: <INPUT TYPE=TEXT NAME=cnumber>
 <INPUT TYPE=submit name=buy value=Buy></FORM> </BODY> </HTML></pre>	<p>Name: <input type="text"/></p> <p>Address: <input type="text"/></p> <p>City: <input type="text"/> State: <input type="text"/> Zip: <input type="text"/></p> <p>Credit Card: <input type="radio"/> VISA <input type="radio"/> MasterCard <input type="radio"/> American Express</p> <p>Number: <input type="text"/></p> <p><input type="button" value="Buy"/></p>

FIG. 16
PRIOR ART

CLIENT		SERVER
<pre><HTML> <HEAD> <TITLE>Purchase Skis</TITLE> <TOP> </HEAD> <BODY> Please enter your name: <FORM METHOD=GET ACTION="//skishop/cgi-bin/addr "> <INPUT TYPE=TEXT NAME=name SIZE=25>
 <INPUT KEY=send TYPE=submit> </FORM> </BODY> </HTML></pre>		
<pre>GET http://skishop/cgi- bin/addr?name=George+Will</pre>		Insert "name" into the HTML template maintained on the server, upload to client.

FIG. 17a.1
PRIOR ART

CLIENT	SERVER
<pre> <HTML> <HEAD> <TITLE>Purchase Skis</TITLE> </HEAD> <BODY> Now we need your address: <FORM METHOD=GET ACTION="http://skishop/cgi- bin/credit"> <INPUT TYPE=hidden NAME=name VALUE="George Will"> Street: <INPUT TYPE=TEXT NAME=street size=9>
 City: <INPUT TYPE=TEXT NAME=city size=10>
 State: <INPUT TYPE=TEXT NAME=state MAXLENGTH=2 SIZE=2>
 Zip: <INPUT TYPE=TEXT NAME=zip SIZE=5> <INPUT KEY=send TYPE=submit> </FORM> </BODY> </HTML> </pre>	
<pre> GET http://skishop/cgi- bin/credit?name=George+Will&street=2+Anywhere &city=Madison&state=WI&zip=53705 </pre>	Insert address parameters into the template maintained on the server, and upload to client.

FIG. 17a.2

PRIOR ART

CLIENT	SERVER
<pre> <HTML> <HEAD> <TITLE>Purchase Skis</TITLE> </HEAD> <BODY> Finally, your credit card info: <FORM METHOD=GET ACTION="http://skishop/cgi-bin/confirm"> <INPUT TYPE=hidden NAME=name VALUE="George Will"> <INPUT TYPE=hidden NAME=street VALUE="2 Anywhere"> <INPUT TYPE=hidden NAME=city VALUE="Madison"> <INPUT TYPE=hidden NAME=state VALUE="WI"> <INPUT TYPE=hidden NAME=zip VALUE="53705"> Credit Card:
 <INPUT TYPE=RADIO NAME=cardtype VALUE=visa>VISA <INPUT TYPE=RADIO NAME=cardtype VALUE=mc>MasterCard <INPUT TYPE=RADIO NAME=cardtype VALUE=amex>American Express
 Number: <INPUT TYPE=TEXT NAME=cnumber > <INPUT KEY=send TYPE=submit name=buy value="Review"> </FORM> </BODY> </HTML> </pre>	
<pre> GET http://skishop/cgi- bin/credit?name=George+Will&street=2+Anyw here&city=Madison&state=WI&zip=53705&card type=visa&cnumber=7732222156661000 </pre>	
	<p>Insert credit card parameters into template maintained on the server, and upload to client.</p>

FIG. 17b.1

PRIOR ART

CLIENT	SERVER
<pre> <HTML> <HEAD> <TITLE>Confirm Order</TITLE> </HEAD> <BODY> <DL> <DT>Name:</DT><DD>George Will</DD> <DT>Address:</DT><DD>2 Anywhere, Madison, WI, 53705</DD> <DT>Credit Card:</DT><DD>VISA
 7732222156661000</DD> </DL> <FORM METHOD=POST ACTION="http://skishop/cgi-bin/purchase"> <INPUT TYPE=hidden NAME=name VALUE="George Will"> <INPUT TYPE=hidden NAME=street VALUE="2 Anywhere"> <INPUT TYPE=hidden NAME=city VALUE="Madison"> <INPUT TYPE=hidden NAME=state VALUE="WI"> <INPUT TYPE=hidden NAME=zip VALUE="53705"> <INPUT TYPE=hidden NAME=cardtype VALUE="visa"> <INPUT TYPE=hidden NAME=cnumber VALUE="7732222156661000"> <INPUT KEY=1 TYPE=submit name=buy value="Buy!"> </FORM> </BODY> </HTML> </pre>	
<pre> POST http://skishop/cgi- bin/purchase?name=George+Will&street=2+An ywhere&city=Madison&state=WI&zip=53705&ca rdtype=visa&cnumber=7732222156661000 </pre>	
	Process transaction with all parameters.

FIG. 17b.2

PRIOR ART

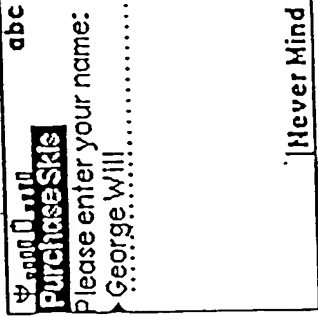
HTMLp	Result
<pre> file: purchaseform.html <HTML> <HEAD> <TITLE>Purchase Skis</TITLE> <TOP> <KEY KEY=2 LABEL="Never Mind" ACTION=done> </HEAD> <BODY> Please enter your name: <FORM METHOD=NEXT ACTION="file://addr.html"> <INPUT TYPE=TEXT NAME=name cap=name abcmodes=alpha,num SIZE=25>
 <INPUT KEY=send TYPE=submit > </FORM> </BODY> </HTML> </pre>	

FIG. 18a.1

HTMLp	Result
<pre>file: addr.html <HTML> <HEAD> <TITLE>Purchase Skis</TITLE> <KEY KEY=2 LABEL="Never Mind" ACTION=done> </HEAD> <BODY> Now we need your address: <FORM METHOD=NEXT ACTION="//credit.html"> Street: <INPUT TYPE=TEXT NAME=street cap=name abcodes=num,alpha size=9>
 City: <INPUT TYPE=TEXT NAME=city cap=name abcodes=alpha size=10>
 State: <INPUT TYPE=TEXT NAME=state cap=name abcodes=alpha MAXLENGTH=2 SIZE=2>
 Zip: <INPUT TYPE=TEXT NAME=zip abcodes=num SIZE=5> <INPUT KEY=send TYPE=submit > </FORM> </BODY> </HTML></pre>	<div><div>123</div><div><div>Ψ 0.100</div><div>Purchase Skis</div></div><div>Now we need your address:</div><div>Street: 2 Anywhere....</div><div>City: Madison.....</div><div>State: NJ</div><div>Zip: 537051..</div><div>Never Mind</div></div>

FIG. 18a.2

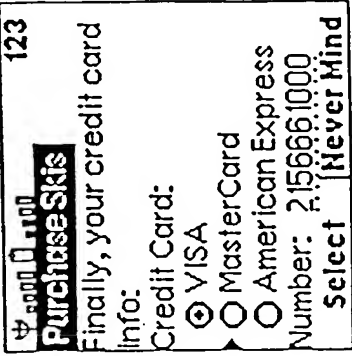
HTMLp	Result
<pre> file: credit.html <HTML> <HEAD> <TITLE>Purchase Skis</TITLE> <KEY KEY=2 LABEL="Never Mind" ACTION=done> </HEAD> <BODY> Finally, your credit card info: <FORM METHOD=NEXT ACTION="file://confirm.html"> Credit Card:
 <INPUT TYPE=RADIO NAME=cardtype VALUE=visa>VISA <INPUT TYPE=RADIO NAME=cardtype VALUE=mc>MasterCard <INPUT TYPE=RADIO NAME=cardtype VALUE=amex>American Express
 Number: <INPUT TYPE=TEXT NAME=cnumber abcmodes=num> <INPUT KEY=send TYPE=submit name=buy value="Review"> </FORM> </BODY> </HTML> </pre>	

FIG. 18a.3

HTMLp	Result
<pre><HTML> <HEAD> <TITLE>Confirm Order</TITLE> <KEY KEY=2 LABEL="Never Mind" ACTION=done> </HEAD> <BODY> <template> <DL> <DT>Name:</DT><DD>%(extra:name)</DD> <DT>Address:</DT><DD>%(extra:street), %(extra:city), %(extra:state), %(extra:zip)</DD> <DT>Credit Card:</DT><DD><if test=extra:cardtype=visa>VISA</if><if test=extra:cardtype=mc>MasterCard</if><if test=extra:cardtype=amex>American Express</if>
 %(extra:cnumber)</DD> </DL> </template> <FORM METHOD=POST ACTION="http://cgi- bin/purchase"> <INPUT KEY=1 TYPE=submit name=buy value="Buy!"> </FORM> </BODY> </HTML></pre>	<div><div>123</div><div>Confirm Order</div><div>Name: George Will</div><div>Address: 2 Anywhere, Madison, WI, 53705</div><div>Credit Card: visa</div><div>Buy! Never Mind</div></div>

FIG. 18b.1

HTMLp	Result
Final HTTP transaction sent to server: POST //cgi-bin/purchase name/George Will street/2 Anywhere city/Madison state/WI zip/53705 cardtype/visa cnumber/7732222156661000 buy/Buy!	

FIG. 18b.2

HTMLp	Result
<pre><HEAD> <TITLE>Green-Tongued Iguana</TITLE> </HEAD> <BODY> The green-tongued iguana is a native of Adelaide, Australia. It likes to live under spare tires, unlike the Blue-Tongued Iguana, its cousin to the north. </BODY></pre>	<div><div>123</div><div><div>Green-Tongued Iguana</div><div>The green-tongued iguana is a native of Adelaide, Australia. It likes to live under spare tires, unlike the Blue-Tongued Iguana, its cousin to the north.</div><div>Links</div></div></div> <div><div>123</div><div><div>Green-Tongued Iguana</div><div>The green-tongued iguana is a native of Adelaide, Australia. It</div><div><div>Picture</div><div>map</div><div>Blue-Tongued Igu...</div><div>Select</div></div></div></div>

FIG. 19

HTMLp

Result

Printed on

OAK to SEA 3/24

Flight	Dep	Arr
UA 909	09:33	11:22
AS 63	10:02	11:57
AS 102	12:36	14:08
UA 887	15:10	17:21

Select |

123

<HEAD>
<TITLE>OAK to SEA 3/24</TITLE>
<LINKMENU>
</HEAD>
<BODY>
<TABLE>
<TR>
<TH><U>Flight</U></TH>
<TH ALIGN=CENTER><U>Dep</U></TH>
<TH ALIGN=CENTER><U>Arr</U></TH>
</TR>
<TR>
<TD>UA 909</TD>
<TD ALIGN=RIGHT>09:33</TD>
<TD ALIGN=RIGHT>11:22</TD>
</TR>
<TR>
<TD>AS 63</TD>
<TD ALIGN=RIGHT>10:02</TD>
<TD ALIGN=RIGHT>11:57</TD>
</TR>
<TR>
<TD>AS 102</TD>
<TD ALIGN=RIGHT>12:36</TD>
<TD ALIGN=RIGHT>14:08</TD>
</TR>
<TR>
<TD>UA 887</TD>
<TD ALIGN=RIGHT>15:10</TD>
<TD ALIGN=RIGHT>17:21</TD>
</TR>
</TABLE>
</BODY>

FIG. 20

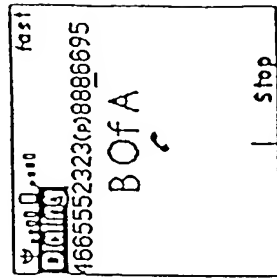


FIG. 21E

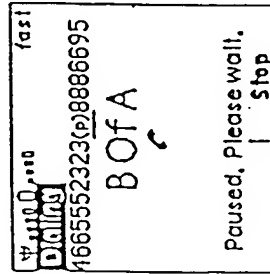


FIG. 21D

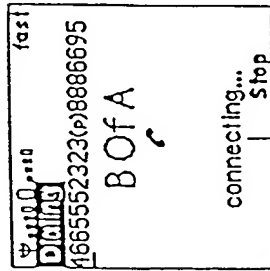


FIG. 21C

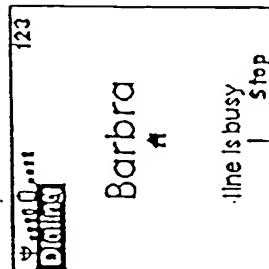


FIG. 21B

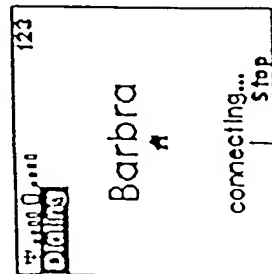


FIG. 21A

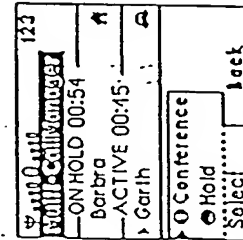


FIG. 22C

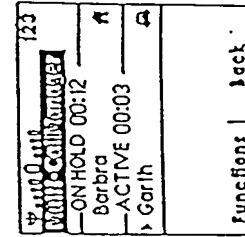


FIG. 22B

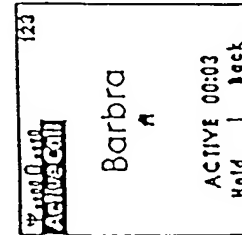


FIG. 22A

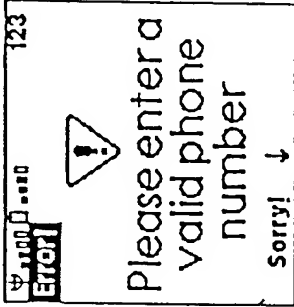
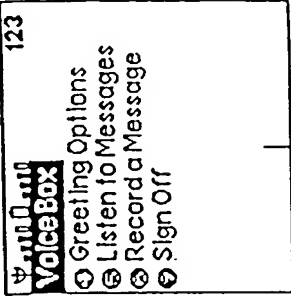
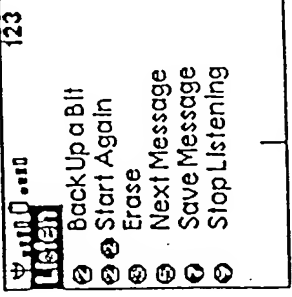
HTMLp	Result
<pre> <HTML> <HEAD> <TITLE>Error!</TITLE> <KEY KEY=1 LABEL="Sorry!" ACTION=pop> </HEAD> <BODY> <CENTER>
 <INC SRC=extra:message> </CENTER> </BODY> </HTML> </pre>	

FIG. 23

KEYCAPS		MISCELLANEOUS	
builtin:key1	o	builtin:smiley	☺
builtin:key2	e	builtin:signal	ψ
builtin:key3	e		
builtin:key4	o		
builtin:key5	e		
builtin:key6	e		
builtin:key7	o		
builtin:key8	e		
builtin:key9	o		
builtin:key0	o		
PHONE NUMBER TYPES			
builtin:type0	☎	builtin:bigtype0	☎
builtin:type1	🏠	builtin:bigtype1	🏠
builtin:type2	🏠	builtin:bigtype2	🏠
builtin:type3	📞	builtin:bigtype3	📞
builtin:type4	🚗	builtin:bigtype4	🚗
builtin:type5	o	builtin:bigtype5	o
builtin:type6	📞	builtin:bigtype6	📞
builtin:type7	📞	builtin:bigtype7	📞

FIG. 24

HTMLp	Result
<pre> <HEAD> <DIAL NAME="Voice Mail" NOSCREENCHANGE>8144299x#4416722</DIAL> <TITLE>Voice Box</TITLE> <KEY KEY=#5 ACTION=vmListen.http> <KEY KEY=#4 ACTION=vmGreeting.http> <KEY KEY=#6 ACTION=vmNew.http> <KEY KEY=#9 ACTION=vmSignoff.http> <KEY KEY=default ACTION=none> <TOP> </HEAD> <BODY> Greeting Options
 Listen to Messages
 Record a Message
 Sign Off
 </BODY> </pre> <p style="text-align: center;"><u>FIG. 25</u></p>	 <p>A menu titled "VoiceBox" with a list of options: Greeting Options, Listen to Messages, Record a Message, and Sign Off. The menu is numbered 123 in the top right corner.</p>
<pre> <HEAD> <DIAL>5</DIAL> <TITLE>Listen</TITLE> <KEY KEY=#2 ACTION=phone:dial?num=2> <KEY KEY=#3 ACTION=phone:dial?num=3> <KEY KEY=#5 ACTION=phone:dial?num=5> <KEY KEY=#7 ACTION=phone:dial?num=7> <KEY KEY=#9 ACTION=pop> </HEAD> <BODY> Back Up a Bit
 Start Again
 Erase
 Next Message
 Save Message
 Stop Listening
 </BODY> </pre>	 <p>A menu titled "Listen" with a list of options: Back Up a Bit, Start Again, Erase, Next Message, Save Message, and Stop Listening. The menu is numbered 123 in the top right corner.</p>